

Local Climatological Data



MONTHLY SUMMARY

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FT. STANDARD TIME USED: EASTERN LWBAN #13740

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 DRIZZLE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW-ICE PELLETS ON GROUND AT 07AM IN.	PRECIPITATION WATER EQUIVALENT IN.	SNOW-ICE PELLETS IN.	AVG. STATION PRESSURE IN.	WIND				SUNSHINE MINUTES	SKY COVER TENTHS					
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT						HEATING (SEASON BEGINS WITH JAN. 1)	COOLING (SEASON BEGINS WITH JUN. 1)	RESULTANT DIR.	RESULTANT SPEED M.P.H.		AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	DIRECTION	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	88	50	69	16	45	0	0	0	0	29.65	24	12.6	13.2	29	W	664	88	4	3	1	
2	71	49	60	7	35	5	0	0	0	29.91	02	6.5	10.2	18	NE	665	88	6	5	2	
3	57	42	50	-3	35	15	0	0	0	30.24	12	4.6	7.2	14	S	342	45	10	10	3	
4	83	44	64	10	49	1	0	0	0	29.97	20	6.5	7.3	17	W	547	72	9	9	4	
5	80	48	64	10	44	1	0	0	0	29.85	32	7.2	10.9	18	NW	721	94	3	3	5	
6	67	43	55	0	40	10	0	0	0	29.98	10	6.1	8.8	15	E	418	54	10	10	6	
7	81	47	64	9	42	1	0	0	0	29.78	30	8.6	9.4	23	NW	752	98	1	1	7	
8	82	52	67	12	38	0	0	0	0	29.83	30	6.7	9.2	22	NW	535	69	8	8	8	
9	69	42	56	0	28	9	0	0	0	29.93	04	3.6	6.3	13	NE	775	100	2	2	9	
10	75	44	60	4	47	5	0	1	0	29.77	14	4.9	8.6	12	SE	607	78	7	7	10	
11	89*	49	69*	13	54	0	0	1	0	29.50	22	9.5	11.1	29	SW	440	56	8	8	11	
12	75	44	60	3	41	5	0	1	0	29.69	22	4.8	6.2	13	SW	663	85	3	3	12	
13	78	55	67	10	44	0	0	0	0	29.60	22	5.9	7.2	12	W	544	69	10	10	13	
14	73	42	58	0	28	7	0	0	0	29.86	32	9.4	10.6	19	NW	720	91	1	1	14	
15	73	38	56	-6	32	9	0	0	0	29.88	34	3.5	7.3	17	NW	727	82	5	5	15	
16	60	37	49	-8	27	18	0	0	0	30.00	03	6.2	9.8	14	N	708	80	3	4	16	
17	60	44	52	-7	36	13	0	0	0	29.98	19	6.7	7.3	9	SW	120	15	9	8	17	
18	58	42	50	-9	45	15	0	1	0	29.84	10	5.5	6.8	14	E	0	0	10	10	18	
19	70	50	60	1	56	5	0	1 3	0	29.48	33	2.7	9.8	16	W	158	20	10	10	19	
20	67	48	58	-1	46	7	0	1	0	29.36	26	11.6	12.4	24	W	656	82	6	5	20	
21	58	42	50	-10	39	15	0	0	0	29.53	27	8.5	9.2	13	W	330	41	7	5	21	
22	67	40	54	-6	36	11	0	0	0	29.84	34	8.3	9.4	17	N	667	83	4	4	22	
23	73	33*	53	-7	39	12	0	0	0	29.92	17	.8	3.3	9	S	633	78	4	4	23	
24	79	44	62	-1	44	3	0	0	0	29.79	32	2.3	5.5	15	NW	746	92	3	2	24	
25	56	47	52	-9	48	13	0	1	0	29.81	05	7.2	7.3	17	NE	10	1	10	9	25	
26	50	41	46	-15	45	19	0	1	0	29.58	05	19.6	20.1	29	NE	11	1	10	10	26	
27	52	37	45*	-16	42	20	0	1	0	29.60	02	11.3	12.7	24	N	26	3	10	9	27	
28	74	34	54	-8	34	11	0	1	0	29.67	33	7.8	8.9	20	NW	747	91	1	1	28	
29	76	40	58	-4	37	7	0	0	0	29.73	26	5.1	6.9	12	W	693	85	3	4	29	
30	72	58	65	3	47	0	0	0	0	29.55	25	7.0	7.5	11	W	585	71	9	8	30	
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL			TOTAL	TOTAL	TOTAL	TOTAL	FOR THE MONTH	TOTAL	%	SUM	SUM	SUM	SUM	
2113	1326					235	12			4.31	0	29.77	31	1.9	8.8	29	NE	15213	FOR	186	175
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.					PRECIPITATION	DEP.			DATE: 26+				POSSIBLE	MONTH	AVG.	AVG.
70.4	44.2	57.3	-0.5	41	8	2	8			2.01	INCH	7						23701	64	6.2	5.8
NUMBER OF DAYS				SEASON TO DATE				SNOW-ICE PELLETS				GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW.					
2				8				0				1				0					
MAXIMUM TEMP.				MINIMUM TEMP.				THUNDERSTORMS				PRECIPITATION				SNOW-ICE PELLETS					
32.0				32.0				1				2.60				0					
0				0				373				-6				CLEAR 8 PARTLY CLOUDY 8 CLOUDY 13					

APRIL 1978 RICHMOND, VIRGINIA

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT
 * ALSO ON AN EARLIER DATE, OR DATES.
 HEAVY FOG - VISIBILITY 1/4 MILE OR LESS.
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
 DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR

MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS. FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

SUMMARY BY HOURS

HOUR	LOCAL TIME	STATION	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.
			AIR °F	NET BULB °F	DEW PT. °F	WIND CHILL °F				
01	5	29.77	52	46	40	70	7.4	35	1.1	
04	5	29.77	48	45	40	76	6.7	33	1.3	
07	6	29.81	52	47	42	73	7.5	34	2.4	
10	6	29.82	61	51	41	52	8.8	30	3.1	
13	6	29.77	65	53	40	49	11.2	29	4.1	
16	6	29.72	69	54	39	36	12.0	28	4.9	
19	6	29.73	62	51	40	50	8.4	02	.5	
22	5	29.76	55	48	41	65	7.1	06	.8	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
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